

**REMARKS**

After entry of the above amendments, claims 21-40 will be pending in the present application. Claims 1-20 have been cancelled. New claims 21-40 have been added. Support for the new claims can be found, for instance, in the claims as originally filed and in the specification on pages 17-30. Applicant reserves the right to pursue any of the cancelled claims in a continuation application. No new matter has been added.

Previous pending claims 1-2, 4-6, 9, 11-15, and 18-20 were rejected under 35 U.S.C. § 103(a) as being unpatentable over U.S. Patent No. 6,243,858 to Mizoguchi et al. (hereinafter "Mizoguchi") in view of U.S. Patent No. 6,748,374 to Madan et al. (hereinafter "Madan"). Previous pending claims 3 and 16 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Mizoguchi, in view of Madan, and further in view of U.S. Patent No. 6,434,545 to MacLeod et al. (hereinafter "MacLeod"). Previously pending claim 7 was rejected under 35 U.S.C. § 103(a) as being unpatentable over Mizoguchi, in view of Madan, and further in view of U.S. Patent No. 5,555,367 to Premierlani et al. (hereinafter "Premerlani"). Previous pending claim 8 was rejected under 35 U.S.C. § 103(a) as being unpatentable over Mizoguchi, in view of Madan, and further in view of U.S. Patent No. 6,535,883 to Lee et al. (hereinafter "Lee"). Previous pending claim 17 was rejected under 35 U.S.C. § 103(a) as being unpatentable over Mizoguchi, in view of Madan, and further in view of U.S. Patent No. 6,476,833 to Moshfeghi (hereinafter "Moshfeghi").

Applicant respectfully submits that new claims 21-40 are patentable over Mizoguchi, in view of Madan, and further in view of MacLeod, Premierlani, Lee, and Moshfeghi.

New claim 21 recites “an expression generator component coupled to the graphical user interface component, the expression generator component being operable to generate the expression based on the graphical definition created by the graphical user interface component, wherein the expression is adapted to filter or modify one or more messages published by a publisher application prior to delivery of the one or more messages to one or more subscriber applications.”

Mizoguchi is directed to “locat[ing], on a specific grid, module tiles obtained by modularizing and visualizing basic processes, and set the connection between the module tiles to enable the construction of a business application program, thereby making it possible to grasp the flow of data from the beginning to end of the business application program with the passage of time” (col. 1, lns. 53-65 of Mizoguchi).

Madan is directed to a “method and system for representing object-oriented data in a relational database” (col. 4, lns. 28-29 of Madan) and “the generation of a database query language statement to query or manipulate directory information objects in a relational database” (col. 4, lns. 33-34 of Madan).

MacLeod is directed to “a system and method for displaying an intuitive, graphical representation of query execution, including detailed computational cost statistics” (col. 1, lns. 8-10 of MacLeod). In particular, MacLeod “allows a user to specify a batch of queries and view a tree-structure representation of the queries’ execution plan” (col. 1, lns. 65-67 of MacLeod).

Premarlani is directed to “a method and system for automatically generating computer programs for queries formed by manipulating object-oriented diagrams” (col. 2, lns. 25-27 of

Premarlani). In Premarlani, “a query [is specified] for the object diagram. Next, a series of transformations are performed on the object classes within the object diagram in accordance with the query. Then a revised object diagram representative of the query is produced. A code for the query is automatically generated from the revised object diagram” (col. 2, lns. 52-57 of Premarlani).

Lee is directed to “a system and method for validating data collected by application software, and more particularly to a graphical user interface for creating validation rules which confirm the validity of data collected by application software used in mobile workforce management” (col. 1, lns. 7-12 of Lee).

Moshfeghi is directed to “methods and apparatus relating generally to browsing markup language documents across a network from within the context of a client application program, and specifically to restricting access only to allowed network resources and to allowed browser interface functions” (col. 1, lns. 9-14 of Moshfeghi).

Since none of the references cited are even directed to filtering or modifying “one or more messages published by a publisher application prior to delivery of the one or more messages to one or more subscriber applications,” as recited in claim 21, the references, alone or in combination, do not disclose, teach, or suggest “an expression generator component . . . operable to generate [an] expression . . . adapted to filter or modify one or more messages published by a publisher application prior to delivery of the one or more messages to one or more subscriber applications,” as recited in claim 21.

Accordingly, based at least on the reasons above, Applicant respectfully submits that claim 21, and the claims that depend therefrom, are patentable over Mizoguchi, in view of Madan, and further in view of MacLeod, Premierlani, Lee, and Moshfeghi. Given that claims 32, 35, and 38 recite elements similar to those of claim 21, it is respectfully submitted that those claims, and the claims that depend therefrom, are patentable over Mizoguchi, in view of Madan, and further in view of MacLeod, Premierlani, Lee, and Moshfeghi for at least the same reasons.

Dependent claims 22 further recites “wherein the expression is adapted to modify at least one of the one or more messages by merging data from one or more databases into the at least one message.” As discussed above with respect to claim 21, none of the cited references are directed to filtering or modifying “one or more messages published by a publisher application prior to delivery of the one or more messages to one or more subscriber applications,” as recited in claim 21. Therefore, none of the references cited disclose, teach, or suggest “merging data from one or more databases into” at least one of the one or more messages.


Accordingly, based at least on the additional reasons above, Applicant respectfully submits that claim 22 is further patentable over Mizoguchi, in view of Madan, and further in view of MacLeod, Premierlani, Lee, and Moshfeghi. Since claims 33, 36, and 39 recite elements similar to those of claim 22, it is respectfully submitted that those claims are further patentable over Mizoguchi, in view of Madan, and further in view of MacLeod, Premierlani, Lee, and Moshfeghi for at least the same reasons.

**CONCLUSION**

On the basis of the above remarks, reconsideration and allowance of the claims is believed to be warranted and such action is respectfully requested. If the Examiner has any questions or comments, the Examiner is respectfully requested to contact the undersigned at the number listed below.

Respectfully submitted,  
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Dated: July 10, 2006

  
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